



Bi-monthly Special Inspection Report

Bi-monthly Report #: 5

Permit #: PRCOM20222242
Project Address: 540 NE Town Centre Drive Lee's Summit, MO
Project Name: New Building for Indoor Batting Cages
Agency Name: Apex Engineers, Inc

Date: 09.20.2022

This report covers work completed between 09.01.2022 and 09.15.2022.

This is to certify that I, or qualified individual working under my direction, inspected and/or tested the following items in accordance with Section 1705 of the 2018 International Building Code:

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Attachments (Concrete Break Results, RFI's, etc.) | <input type="checkbox"/> Shotcrete | |
| <input type="checkbox"/> Placement of Reinforced Concrete | <input type="checkbox"/> None - No Inspections made | |
| <input type="checkbox"/> Placement of Shotcrete | <input type="checkbox"/> Erection of Precast Concrete | |
| <input type="checkbox"/> Testing of Reinforced Concrete | <input type="checkbox"/> Steel Frame Inspection | |
| <input type="checkbox"/> Placement of Reinforcing Steel | <input type="checkbox"/> High Strength Bolting | |
| <input type="checkbox"/> Placement of Prestressing Steel | <input type="checkbox"/> Structural Welding | |
| <input type="checkbox"/> Bolts Installed in Concrete | <input type="checkbox"/> Sprayed Fire Resistant Materials | |
| <input type="checkbox"/> Post-Installed Anchors | <input type="checkbox"/> Structural Masonry | |
| <input type="checkbox"/> Verification of Soils | <input type="checkbox"/> Wood Construction | |
| <input type="checkbox"/> Excavation and Filling | <input type="checkbox"/> Seismic Resistance | |
| <input type="checkbox"/> Deep Foundations | <input type="checkbox"/> Firestop | |
| <input type="checkbox"/> Earth-Retaining Structures | <input type="checkbox"/> Drill & Epoxy | |
| <input type="checkbox"/> Detention Basin | <u>INSPECTION OF FABRICATORS</u> | |
| <input type="checkbox"/> EIFS | <input type="checkbox"/> Metal Building | <input type="checkbox"/> Structural Steel |
| <input type="checkbox"/> Smoke Control | <input type="checkbox"/> Wood Construction | <input type="checkbox"/> Precast Concrete |
| <input type="checkbox"/> Other: | | |

Except where noted in the attached report, the work was found to be in substantial compliance with the city reviewed plans, specifications, and applicable provisions of the Building Code. All daily reports and EOR/AOR resolutions are attached.

Signed: Clayton J. Hess

Date: 09.23.2022



Denver, CO 720-588-3222

Kansas City, MO 816-421-3222

Lawrence, KS 785-337-3222



Non-Conforming Items Requiring Resolution

Permit #: PRCOM20222242 **Date:** 09.15.2022
Project Address: 540 NE Town Centre Drive Lee's Summit, MO
Project Name: New Building for Indoor Batting Cages
Agency Name: Apex Engineers, Inc **Insp/Engr:** Clayton J. Hess

Final Approval Status: _____

Item	Date	Report	Discrepancy Description	Resolution Date
			None to Report	

See attached details for further clarification



REPORT OF CONCRETE CYLINDER TEST

1100 W Cambridge Circle Drive, Suite 700 Kansas City, Kansas 66103
913.627.9040

Client: Apex Engineers, Inc.
Address: 1625 Locust
Kansas City, Missouri 64108

Project Name: Apex On-Call (KCK)
D-Bats
Lee's Summit, MO

Attn: Steve Fitch

Report No: 22-1010 CYL 1060

Report Date: 9/2/2022

Technician: C. Veith

FIELD TEST CONDITIONS AND RESULTS (ASTM C 31)

Date Placed: 8/26/2022

Material: Concrete

Location of Sample: Interior Slab gridlines: A/1-7, A-F/1, F/1-7, A-F/7

Placement Description: Approximate Gridlines E/6

Time Batched: 4:28

Time Sampled: 5:02

Batch Size (Yds): 300

Sample Method: Pump / Power Trowel

Weather: Sunny

Ambient Temp: 80's

Concrete Temp: 82

(ASTM C1064)

Water Added: n/a

Design Strength (PSI): 4000

	Specification	Actual
Slump (Inches):	5 (+/-1)	7.25
(ASTM C143)		
Air Content (%):	Max 3	1.8
(ASTM C231)		
Unit Weight:	NR	
(ASTM C138)		

Supplier: Show Me / 4802

Truck No: 3048

Ticket No: 199711

Mix No:

LABORATORY TEST RESULTS (ASTM C 39)

Set #	Test Date	Age	Diameter	Area	Load	Strength	Percent of Design	Type of Fracture
1060	9/2/2022	7	4.00	12.57	59690	4,750	118.8%	3
1060	9/23/2022	28	4.00	12.57		0	0.0%	
1060	9/23/2022	28	4.00	12.57		0	0.0%	
1060	9/23/2022	28	3.99	12.50		0	0.0%	
1060	HOLD							

Average 28 Day Strength: 0

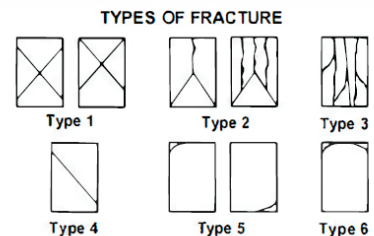
Sampling Fresh Concrete: ASTM C172

Remarks: No Deviations Noted

Respectfully Submitted,

COOK, FLATT & STROBEL ENGINEERS, P.A.

Adam McEachron, P.E | Senior Project Engineer





REPORT OF CONCRETE CYLINDER TEST

1100 W Cambridge Circle Drive, Suite 700 Kansas City, Kansas 66103
913.627.9040

Client: Apex Engineers, Inc.
Address: 1625 Locust
Kansas City, Missouri 64108

Project Name: Apex On-Call (KCK)
D-Bats
Lee's Summit, MO

Attn: Steve Fitch

Report No: 22-1010 CYL 1064

Report Date: 9/2/2022

Technician: C. Veith

FIELD TEST CONDITIONS AND RESULTS (ASTM C 31)

Date Placed: 8/26/2022

Material: Concrete

Location of Sample: Interior Slab gridlines: A/1-7, A-F/1, F/1-7, A-F/7

Placement Description: Approximate Gridlines C.5/5

Time Batched: 6:33

Time Sampled: 7:45

Batch Size (Yds): 300

Sample Method: Pump / Power Trowel

Weather: Sunny

Ambient Temp: 80's

Concrete Temp: 82

(ASTM C1064)

Water Added: n/a

Design Strength (PSI): 4000

	Specification	Actual
Slump (Inches):	5 (+/-1)	9.5
(ASTM C143)		
Air Content (%):	Max 3	1.3
(ASTM C231)		
Unit Weight:	NR	
(ASTM C138)		

Supplier: Show Me / 4802

Truck No: 3047

Ticket No: 199729

Mix No:

LABORATORY TEST RESULTS (ASTM C 39)

Set #	Test Date	Age	Diameter	Area	Load	Strength	Percent of Design	Type of Fracture
1064	9/2/2022	7	4.00	12.57	74100	5,900	147.5%	3
1064	9/23/2022	28	4.00	12.57		0	0.0%	
1064	9/23/2022	28	4.00	12.57		0	0.0%	
1064	9/23/2022	28	3.99	12.50		0	0.0%	
1064	HOLD							

Average 28 Day Strength: 0

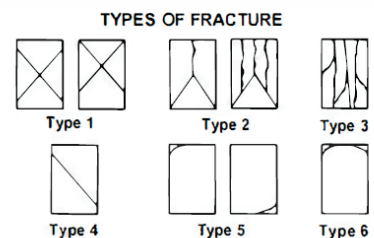
Sampling Fresh Concrete: ASTM C172

Remarks: No Deviations Noted

Respectfully Submitted,

COOK, FLATT & STROBEL ENGINEERS, P.A.

Adam McEachron, P.E | Senior Project Engineer





REPORT OF CONCRETE CYLINDER TEST

1100 W Cambridge Circle Drive, Suite 700 Kansas City, Kansas 66103
913.627.9040

Client: Apex Engineers, Inc.
Address: 1625 Locust
Kansas City, Missouri 64108

Project Name: Apex On-Call (KCK)
D-Bats
Lee's Summit, MO

Attn: Steve Fitch

Report No: 22-1010 CYL 939

Report Date: 9/5/2022

Technician: CDV

FIELD TEST CONDITIONS AND RESULTS (ASTM C 31)

Date Placed: 8/8/2022

Material: Concrete

Location of Sample: Footing Gridlines A/1-7, A-F/1, F, 1-7, A-F/7, B.6/5&6, C.5/2,3,4.

Placement Description: C.5/3

Time Batched: 10:00

Time Sampled: 10:36

Batch Size (Yds): 200

Sample Method: Pump / Vibrator for Consolidation

Weather: Sunny / Humid

Ambient Temp: High 80's

Concrete Temp: 80

(ASTM C1064)

Water Added: n/a

Design Strength (PSI): 3500

	Specification	Actual
Slump (Inches):	5 (+/-1)	4.5
(ASTM C143)		
Air Content (%):	6 Max	5
(ASTM C231)		
Unit Weight:	NR	
(ASTM C138)		

Supplier: Show Me Ready Mix

Truck No: 3050

Ticket No: 198937

Mix No:

LABORATORY TEST RESULTS (ASTM C 39)

Set #	Test Date	Age	Diameter	Area	Load	Strength	Percent of Design	Type of Fracture
939	8/15/2022	7	4.00	12.57	47250	3,760	107.4%	5
939	9/5/2022	28	4.03	12.76	67510	5,290	151.1%	3
939	9/5/2022	28	4.01	12.63	68640	5,430	155.1%	2
939	9/5/2022	28	4.02	12.69	65240	5,140	146.9%	2
939	HOLD							

Average 28 Day Strength: 5,285

Sampling Fresh Concrete: ASTM C172

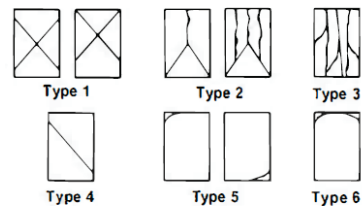
Remarks: No Deviations Noted

Respectfully Submitted,

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Adam McEachron, P.E | Senior Project Engineer

TYPES OF FRACTURE





REPORT OF CONCRETE CYLINDER TEST

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Client: Apex Engineers, Inc.
Address: 1625 Locust
Kansas City, Missouri 64108

Project Name: Apex On-Call (KCK)
D-Bats
Lee's Summit, MO

Attn: Steve Fitch

Report No: 22-1010 CYL 940

Report Date: 9/5/2022

Technician: CDV

FIELD TEST CONDITIONS AND RESULTS (ASTM C 31)

Date Placed: 8/8/2022

Material: Concrete

Location of Sample: Footing Gridlines A/1-7, A-F/1, F, 1-7, A-F/7, B.6/5&6, C.5/2,3,4.

Placement Description: Approx. Gridlines F/5

Time Batched: 11:44
Time Sampled: 12:30
Batch Size (Yds): 200
Sample Method: Pump / Vibrator for Consolidation

Weather: Sunny / Humid
Ambient Temp: High 80's
Concrete Temp: 88
(ASTM C1064)

Water Added: n/a
Design Strength (PSI): 3500

	Specification	Actual
Slump (Inches):	5 (+/-1)	4.75
(ASTM C143)		
Air Content (%):	6 Max	6
(ASTM C231)		
Unit Weight:	NR	
(ASTM C138)		

Supplier: Show Me Ready Mix
Truck No: 30.37
Ticket No: 198951
Mix No:

LABORATORY TEST RESULTS (ASTM C 39)

Set #	Test Date	Age	Diameter	Area	Load	Strength	Percent of Design	Type of Fracture
940	8/15/2022	7	4.00	12.57	52760	4,200	120.0%	3
940	9/5/2022	28	4.02	12.69	69830	5,500	157.1%	2
940	9/5/2022	28	4.03	12.76	72970	5,720	163.4%	3
940	9/5/2022	28	4.03	12.76	68020	5,330	152.3%	1
940	HOLD							

Average 28 Day Strength: 5,525
Sampling Fresh Concrete: ASTM C172
Remarks: No Deviations Noted

Respectfully Submitted,

COOK, FLATT & STROBEL ENGINEERS, P.A.

Adam McEachron, P.E | Senior Project Engineer

